

<p>2003-407676/39 A96 D21 E19 KANE 2001.07.12 KANEBO LTD *JP 2003027094-A 2001.07.12 2001-211891(+2001JP-211891) (2003.01.29) C11D 17/04, A61K 7/50, C11D 3/14, 3/37, 3/38, 3/382 <b>Sheet for washing face, obtained by impregnating or applying surfactant and washing ingredients containing powder components on porous sheet, exists in dry condition and is frothed when used by adding water or hot water</b> C2003-108826</p>	<p>A(11-B5, 12-V4A, 12-V4C) D(8-B, 8-B3, 8-B4, 8-B9A, 8-B9A2) E(5-A, 5-G9, 6-A3, 7-A2D, 7-D9A, 10-A9A, 10-A9B, 10-A22, 10-B2B, 10-C4L, 10-C4L2, 10-E4G, 10-E4K, 31-P2, 31-P3, 31-P4, 31-P5B, 35-C, 35-K2)</p> <p>frothed when used by adding water or hot water. The powder component is zinc white, titania, hydrosulfate, polyurethane, kaolin, magnesium aluminum silicate, diatomaceous earth, talc, glucomannan, crystal cellulose, octenyl succinic-acid, maize, starch, cornstarch, sodium alginate, agar, sea weed, rice, sugarcane, cyclodextrin and/or dextrin. The porous sheet is a nonwoven-fabric, paper, porous film, foam sheet having continuous air hole and/or weaved cloth. An <b>INDEPENDENT CLAIM</b> is included for usage method of sheet which involves frothing on sheet by adding water or hot water and massaging the skin with sheet.</p> <p><u>USE</u> For washing face, hair and body.</p> <p><u>ADVANTAGE</u> The sheet is portable and has sufficient fragrance, foamability, excellent cleaning power, moisturizing capability and bubble</p> <p>JP 2003027094-A+</p>
<p><u>NOVELTY</u> A sheet is obtained by impregnating or applying 40 mass% or more of surfactant and washing ingredients containing powder components e.g, polyurethane, cyclodextrin and/or dextrin, on a porous sheet. The sheet exists in dry condition and is frothed when used, by adding water or hot water. The porous sheet is a nonwoven-fabric, paper, porous film, foam sheet having continuous air hole and/or weaved cloth.</p> <p><u>DETAILED DESCRIPTION</u> A sheet is obtained by impregnating or applying 40 mass% or more of surfactant and washing ingredients containing powder components on porous sheet. The sheet exists in dry condition and is</p>	

stainability. The dullness of the skin is reduced, and glossiness and softness of the skin is improved after massing with the sheet.

#### EXAMPLE

A mixture of washing ingredients and detergents solution was impregnated on a porous nonwoven-fabric consisting of polyester, rayon and polypropylene and having pore size of 1.5 mm×2 mm. The washing ingredients contained (in mass parts) 2-alkyl-N-carboxymethyl-N-hydroxyethyl imidazolinium-betaine (45), coconut oil fatty-acid amidopropylbetaine (15), 1,3,-butylene glycol (10), polyethylene glycol 400 (10), polyethylene glycol 1500 (7), propylene glycol (4), polyoxyethylene glyceryl (26E.O) (3), isopropyl methyl phenol (0.02), citric acid (0.3), sodium citrate (0.02), paraben (0.2), acetic acid-dl-α-tocopherol (0.1), acetic acid retinol (0.1), ascorbic acid (0.1), zinc white powder (0.1), titania powder (0.05), prune extract (0.01), orange extract (0.01), flavor (0.2), disodium salt of edetic acid (0.02) and water (8). The impregnating sheet was dried at 85°C, to obtain the sheet for washing. The obtained sheet had 8 mass% of loss on drying, sufficient fragrance, foamability, excellent cleaning power, moisturizing capability and bubble stainability. The dullness of the skin was reduced, and glossiness and softness of the skin were improved after massing with the sheet.

#### TECHNOLOGY FOCUS

Organic Chemistry - Preferred Substance: The washing ingredients contains 0.1-20 mass% of powder components. The sheet is obtained by impregnating 2-50 g/m<sup>2</sup> of washing ingredients with respect to the area of porous sheet. The sheet exists in dry conditions and has loss on drying of 2-10 mass%. The porous sheet has pore size of 0.1-9 mm<sup>2</sup> and mass of 20-120 g/m<sup>2</sup>.  
(10pp3321DwgNo.0/0)

JP 2003027094-A

**BEST AVAILABLE COPY**